Certificate of Analysis

Roseoflavin

Cat. No.: HY-121295 CAS No.: 51093-55-1 Batch No.: 271929

Chemical Name: Riboflavin, 8-demethyl-8-(dimethylamino)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{18}H_{23}N_5O_6$ Molecular Weight: 405.41

Storage: -20°C, sealed storage, away from moisture and light

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and

light)

Chemical Structure:

ANALYTICAL DATA

Brown to reddish brown (Solid) Appearance:

¹H NMR Spectrum: Consistent with structure

Purity (HPLC): 99.05%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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